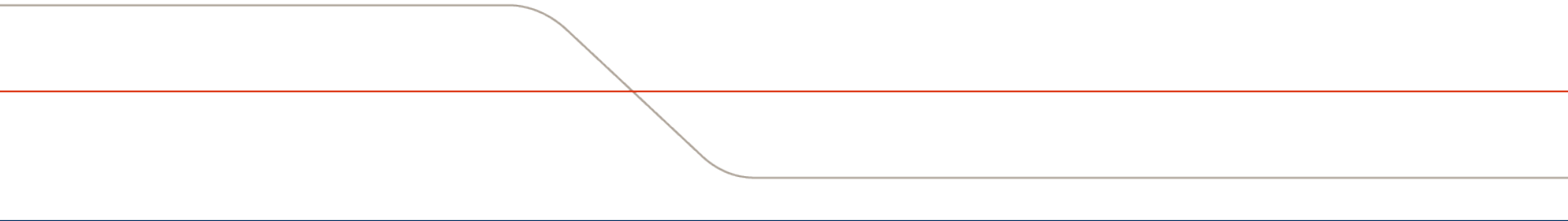




TIM – modern and flexible mode of payment

An all-purpose cash register protocol

Zurich, 2017



Current challenges facing merchants



- Cashless payments are undergoing constant change.
- Merchants are keen to improve the customer experience by enhancing the buying process in addition to providing advice.
- When expanding to foreign markets, merchants would like to be able to work with the same familiar hardware as they do at home.

TIM – the modern and flexible interface for cash register systems

- Smooth communication between cash register application and terminal
- For both stationary and mobile cash register systems
- Secure and reliable transaction processing
- Use of all the convenient features of ep2
- Simple and fast integration with existing systems also possible



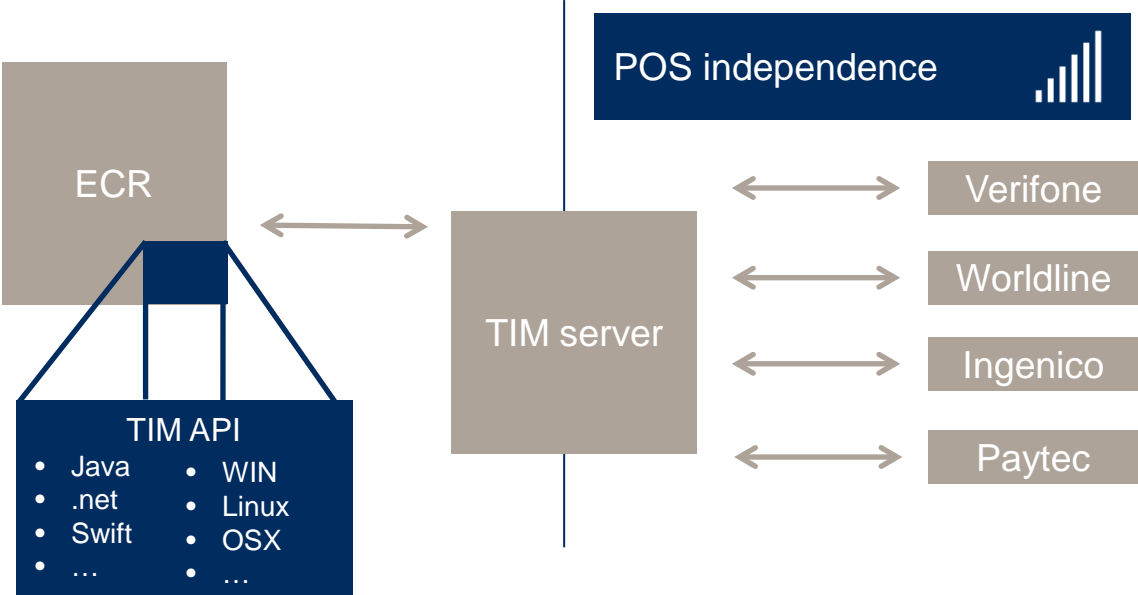
TIM – the Design














- The architecture is not only appropriate for the tried and tested cash register systems but also for use with the most important mobile platforms Android and iOS. Windows will be made available in a subsequent phase.
- All transactions are processed via the secure SIX payment flow. Thanks to its extensive range of payment services, SIX offers a complete mobile payment solution from a single source.

TIM – Architecture / Options

Benefits of simple & multi-purpose POS integration

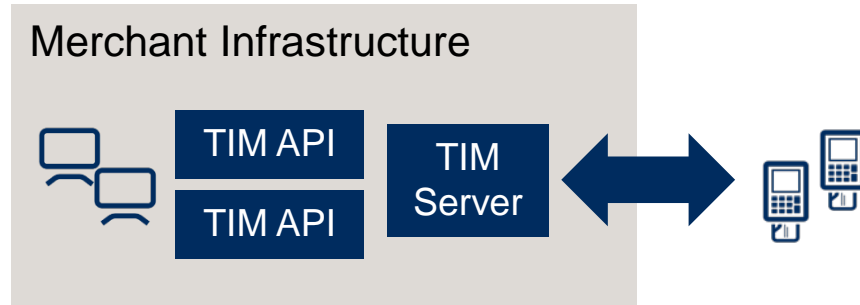


Vision: Integration in POS-Terminal portfolio by SIX

	Switzerland			
Multi National Merchants				
	Austria			
	Luxembourg			
	Belgium			
	CEE / CWE			

Only main suppliers have been listed, others are still in place such as Paytec, Miura, GMX, etc.

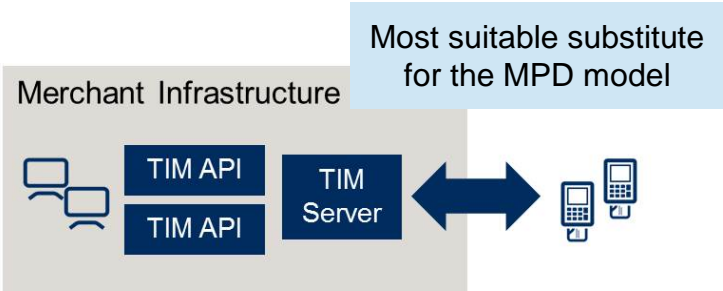
Heading towards the future: TIM



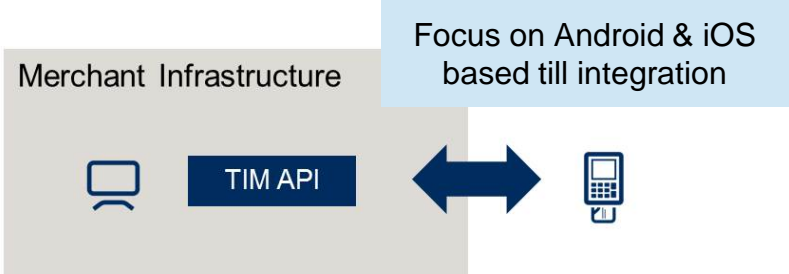
SIX developed the new POS Integration Solution to meet future requirements:

- A new POS Integration architecture has been developed – based on the current MPD experience
- A new XML-based Integration Protocol (blue arrow) between TIM and POS-terminal
- The new architecture enhances a new solution with the “TIM Server”-component
- Different foreign incoming protocols on TIM Server are already supported
- The customer can choose the solution which best fits his needs

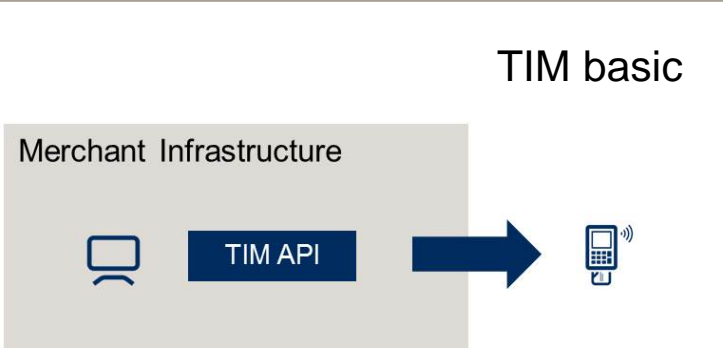
TIM – Till Integration Modul



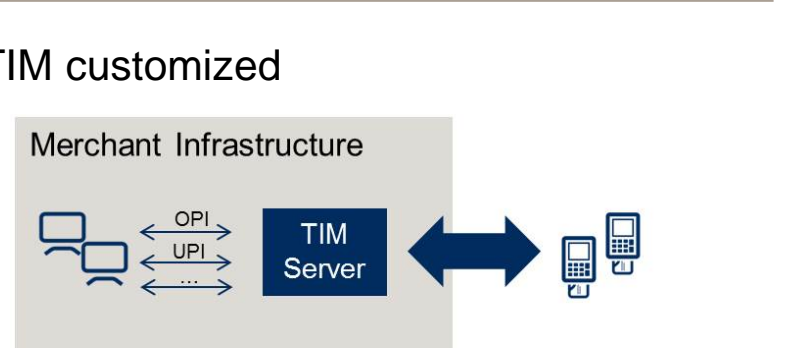
TIM premium



TIM smart

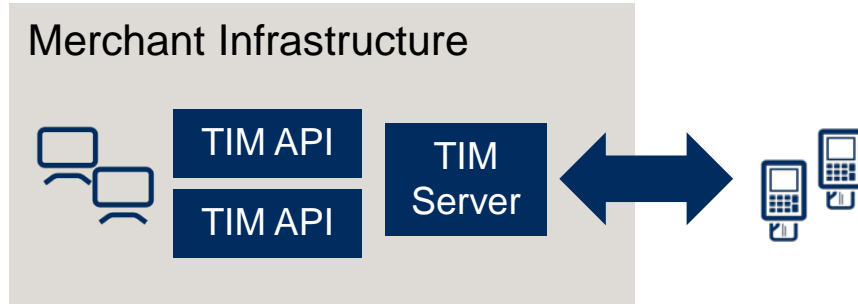


TIM basic



TIM customized

TIM premium



TIM premium is the feature substitute of the current MPD.

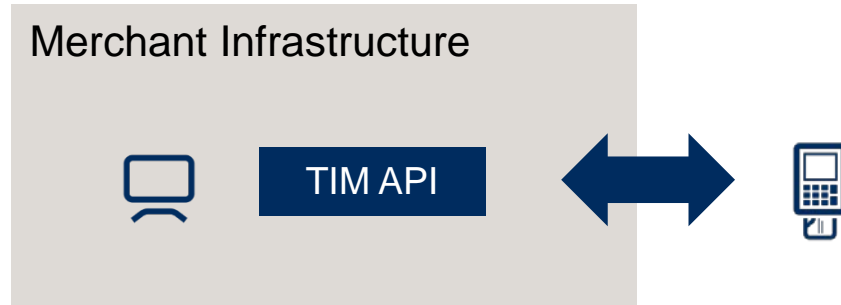
Features

- Many-to-many till-to-terminal communication
- Full featured message set
- Transaction outcome on till system
- Daily closure on till System
- Remote POS terminal servicing
- Highest independence between till and terminal systems
- Transaction log on detailed level

Limitation

- TIM premium is not designed to be combined with a tablet solution

TIM smart



TIM smart is the preferred model because it supports mobile cash registers.

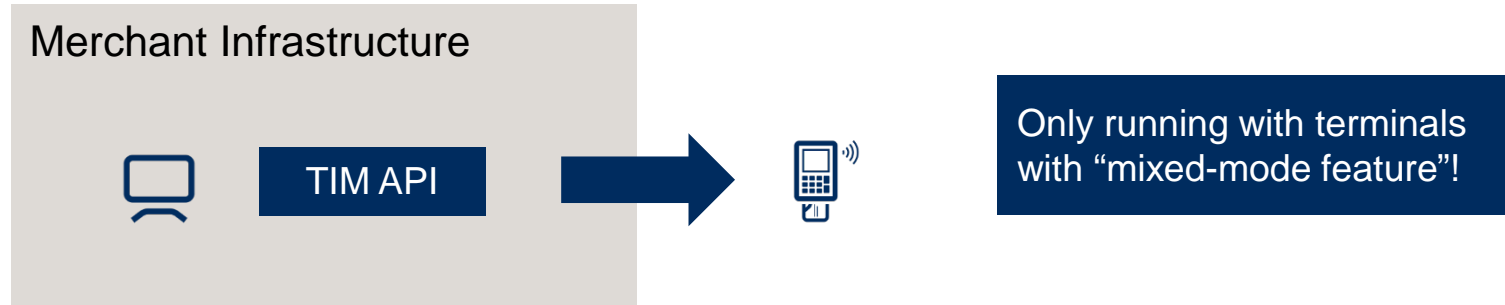
Features

- Easy mobile till system integration
- Direct one-to-one till to terminal communication
- Full SIX terminal message set
- Transaction outcome on till system
- Daily closure on till system
- Remote POS terminal servicing
- Possible additional proprietary protocols

Limitation

- ECR needs to handle multi terminal sessions if needed (e.g.: petrol outdoor)
- The scenario “backup till”, needs also architectural adaption within MSW (not addressed so far)

TIM basic



TIM basic enables the integration of a terminal by SIX in very simple systems.

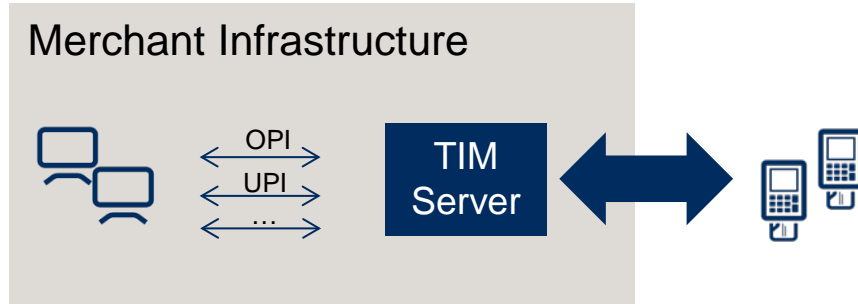
Features

- start a transaction (debit, credit, reversal) without outcome information towards till

Limitation

- only for terminals supporting mixed-mode
- no information if the transaction was successful or not

TIM customized



TIM customized should be used when a merchant wants to keep his existing ECR protocol.

Features

- easy integration within existing till systems by proprietary till protocol support
- many-to-many till-to-terminal communication
- full featured message set
- transaction outcome on till system
- daily closure on till system
- remote POS terminal servicing
- transaction log on detailed level

Limitation

- Installation of additional physical or virtual connectors are sometimes needed
- It's not designed to be combined with a tablet solution

Many thanks for your attention



For any questions please contact us:



@six-group.com

Disclaimer

This material has been prepared by SIX Group Ltd, its subsidiaries, affiliates and/or their branches (together, "SIX") for the exclusive use of the persons to whom SIX delivers this material. This material or any of its content is not to be construed as a binding agreement, recommendation, investment advice, solicitation, invitation or offer to buy or sell financial information, products, solutions or services. It is solely for information purposes and is subject to change without notice at any time. SIX is under no obligation to update, revise or keep current the content of this material. No representation, warranty, guarantee or undertaking – express or implied – is or will be given by SIX as to the accuracy, completeness, sufficiency, suitability or reliability of the content of this material. Neither SIX nor any of its directors, officers, employees, representatives or agents accept any liability for any loss, damage or injury arising out of or in relation to this material. This material is property of SIX and may not be printed, copied, reproduced, published, passed on, disclosed or distributed in any form without the express prior written consent of SIX.

© 2016 SIX Group Ltd. All rights reserved.